

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Shiloh Church Road Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #2
NOTICE OF \$250 ACTIVATION - TRANSITION FROM REMOVAL ASSESSMENT TO
REMOVAL ACTION
Shiloh Church Road Site
A38Q
Natalie, VA
Latitude: 36.9699000 Longitude: -78.9807000

To: Lauren Pillow, VDEQ
Ray Earp, VDEM
Mr. Steven Dishman, Halifax County
Briana Bill, VDH

From: Christine Wagner, OSC

Date: 6/28/2019

Reporting Period: 6/21/18-6/27/18

1. Introduction

1.1 Background

Site Number:	A38Q	Contract Number:	68HE031F067
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:		Start Date:	6/27/2019
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category -- Removal Assessment

1.1.2 Site Description

The Shiloh Church Road Site consists of two privately owned parcels of property. The properties were historically used for a salvage yard and convenience store.

1.1.2.1 Location

The Site is located near the intersection of LP Bailey Highway and Shiloh Church Road in Nathalie, Virginia, an unincorporated area of Halifax County.

1.1.2.2 Description of Threat

Potential elevated levels of volatile organic contaminants in drinking water wells
Potential elevated levels of PCBs in surface soils.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

A removal assessment has commenced and is ongoing.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

In preparation for a property sale, the current owner of the property hired a contractor to perform a Phase II Environmental Assessment. The results of this assessment indicated the presence of volatile organic contaminants in private drinking water wells that exceeded the EPA Maximum Contaminant Levels. Although the EPA MCLs do not apply to private wells, the contractor forwarded this information to the Virginia Department of Environmental Quality (VDEQ).

2.1.2 Response Actions to Date

The Phase II report indicated one drinking water well sample contained levels of tetrachloroethylene (aka perchloroethylene) at levels twice above the MCL. EPA, VDEQ, and VDH met with the resident and arranged to resample this well. EPA's contractor collected the sample on 4/27/18. The results were consistent with the previous results reported in the Phase II Report.

A Unified Command has been established which includes representatives from Halifax County, the Virginia Department of Environmental Quality, the Virginia Department of Emergency Management, and the Virginia

Department of Health. The Unified Command met to develop future actions. Unified Command agreed to have EPA sample drinking water wells in the immediate area first, followed by a more comprehensive assessment of the Site properties.

During the week of May 14, 2018, EPA, with the assistance of VDEQ, VDH, and VDEM, performed a drinking water assessment in the area. EPA and VDH representatives attempted to contact the residents living near the Site. EPA was able to obtain permission to collect drinking water well samples from 11 properties. EPA's contractor collected drinking water samples from these properties for the following sets of analyses: Volatile Organic Contaminants (VOCs); Semi-volatile organic contaminants (SVOCs); Inorganic analytes (metals); PCBs.

During this time, EPA, with verbal permission from the owner, performed a walkthrough of the property. The purpose was to identify types of samples and potential matrices for additional removal assessment work.

During this walkthrough, EPA discovered low levels of radiation at three small discrete locations. EPA contacted VDEM to request assistance identifying the radioactive isotope. On 5/17/18, VDEM accompanied EPA to the Site and identified the isotope as Radium226. Further investigation revealed the likely source as radioluminescent deck markers. Radioluminescent disks were historically used by the US military on bridges and ships so that they could be identified at night. The disks contain very small amounts of Radium 226. The EPA OSC contacted the Virginia Department of Health Office of Radiological Health to make notification.

In June of 2018, EPA received preliminary results from the residential well sampling. This data indicated that two of the drinking water wells contained levels of trichloroethene (TCE) above 100 micrograms/liter. The EPA Removal Action Level for TCE is 49 micrograms/liter. Based on these preliminary results, the OSC activated funds in the amount of \$250k to immediately provide bottled water to these two residents.

A SPECIAL BULLETIN and Notification of \$250k Activation was prepared and forwarded to EPA management on 6/25/19. This document is posted on the Site website.

The OSC activated the ERRS Contract and signed a Task Order for \$50,000. Environmental Restoration LLC (ER) received the task order to immediately provide bottled water and arrange for carbon filtration systems.

Bottled water delivery to two residents commenced 6/28/18.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The source of the potential contamination has not been identified. EPA is working with enforcement officials to develop an enforcement strategy.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal

2.2 Planning Section

2.2.1 Anticipated Activities

EPA will continue its assessment work to determine the source, nature, and extent of contamination. A full removal assessment is planned for the summer of 2018.

2.2.1.1 Planned Response Activities

EPA plans to continue the removal assessment to determine if conditions at the Site meet the criteria for an EPA Removal Action (40 CFR 300.415).

2.2.2 Issues

Wastes at the Site which contain PCBs or radioactive substances will require disposal in accordance with other regulations.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.5 Other Command Staff

2.5.1 Safety Officer

2.5.2 Liaison Officer

2.5.3 Information Officer

EPA Amanda Miles will assist the OSC as the EPA Community Involvement Coordinator for the Site. An initial fact sheet is posted under the DOCUMENTS section of the website.

3. Participating Entities

3.1 Unified Command

Halifax County - Halifax County Administrator
Halifax County Fire & Rescue
Virginia Department of Health
Virginia Department of Environmental Quality
Virginia Department of Emergency Management
EPA

3.2 Cooperating Agencies

ATSDR

4. Personnel On Site

EPA - 1
VDH -1
VDEQ - 2
VDEM - 1
Weston Solutions (EPA Contractor) - 2

5. Definition of Terms

ATSDR - Agency for Toxic Substances Disease Registry
EPA - US Environmental Protection Agency Region 3
MCL - Maximum Contaminant Level for Public Drinking Water Supplies
PCE - Perchloroethylene, (also known as tetrachloroethylene)
START - Superfund Technical Assistance Response Team (EPA Contractor)
SVOC - Semi-volatile organic contaminants
TCE - Trichloroethylene
VDH - Virginia Department of Health
VDEM - Virginia Department of Emergency Management
VDEQ - Virginia Department of Environmental Quality
VOC - Volatile Organic Contaminants

6. Additional sources of information

6.1 Internet location of additional information/report

response.epa.gov/ShilohChurchRoadSite

7. Situational Reference Materials

No information available at this time.